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M844	2002-05-22	9	Y ☑	2002-05-29 12:50:23.0	dwendemagegeh
M844	2001-06-27	7	Y ☑	2001-10-31 05:05:08.0	EXPO-CONV

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Inventor Information for 09/891235

Inventor Name	City	State/Country
HOSOMI, TAKAHIRO	TOKYO	JAPAN

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Last Name = HOSOMI
First Name = TAKAHIRO

Application#	Patent#	Status	Date Filed	Title	Inventor Name
09734662	6756666	150	12/13/2000	SURFACE MOUNT PACKAGE INCLUDING TERMINAL ON ITS SIDE	HOSOMI, TAKAHIRO
09891235	Not Issued	71	06/27/2001	Spread spectrum communication system and method therefor	HOSOMI, TAKAHIRO
10020468	7103335	150	10/29/2001	RECEIVER USED IN SPREAD SPECTRUM COMMUNICATION SYSTEM	HOSOMI, TAKAHIRO
10269978	Not Issued	71	10/15/2002	Information terminal apparatus, communications method, and storage medium storing program therefor	HOSOMI, TAKAHIRO
10798307	Not Issued	30	03/12/2004	Wireless terminal device	HOSOMI, TAKAHIRO

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1 result found in the Worldwide database for:
ep930721 as the publication number
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1 Telecommunications system with bandwidth agile receivers and transmitters

Inventor: LUCIDARME THIERRY (FR)

Applicant: NORTEL MATRA CELLULAR (FR)

EC: H04B1/707; H04B7/26S4

IPC: ***H04B1/707; H04B7/26***; **H04B1/707** (+3)

Publication info: **EP0930721** - 1999-07-21

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Did you mean: "transmission power" "transmission ***bandwidth***" control "spread spectrum"

Communication method and apparatus in which transmission **control ...**
Therefore, it is difficult to change the **transmission band width**. ... with **control** data output from **transmission power control** circuits 316a, 316b, ...
www.freepatentsonline.com/5896419.html - 85k - Cached - Similar pages

Receiving method and apparatus in which a demodulating status is ...
Therefore, it is possible to carry out the **control** for the **transmission power** which can suppress interference to another signal. ...
www.freepatentsonline.com/6044106.html - 111k - Cached - Similar pages
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EP1083694 Kishi european software patent - Code division multiple ...
Thus, there is a problem that communication is impossible any longer, even with the strongest **transmission power** and the largest **transmission band width**. ...
gauss.ffii.org/PatentView/EP1083694 - 162k - Cached - Similar pages

Coupling apparatus between coaxial cables and antenna system using ...
A **control** of the changeover switchSW is performed by introducing a **control** line from the ... Data transmission within a **spread-spectrum** communication system ...
www.patentgenius.com/patent/5557290.html - 89k - Cached - Similar pages

[PDF] Simulation Summary and Plan for second Phase of HDR Activity
File Format: PDF/Adobe Acrobat
The **transmission power** (TxPower) is calculated based on the FCC mask, and the. **transmission band-width**. The simulations performed enable a better estimation ...
www.pulsers.info/pulsers1-pub-dir/pulsers-d4b4.2-final.pdf - Similar pages

US Pregrant 20020001336 - **Spread spectrum** communication system and ...
The **spread spectrum** communication system has **control** means for controlling a **transmission band width** and a **transmission power** of a counterpart equipment ...
cxp.paterra.com/uspregrant20020001336.html - 11k - Supplemental Result - Cached - Similar pages

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Wireless Data Transmission in the Andes: Networking Merida State
Called **spread spectrum**, it first found civilian applications as a short-reach ... Both techniques in effect exchange **transmission power** for bandwidth, ...
www.isoc.org/inet99/proceedings/4d/4d_1.htm - 24k - Cached - Similar pages

[PDF] SINR Estimation for Power **Control** in Systems with Transmission ...
File Format: PDF/Adobe Acrobat
be, for example, battery lifetime, **transmission bandwidth**, or. caused interference. ... **Transmission power control** is an important technique in ...
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File Format: PDF/Adobe Acrobat
transmission bandwidth means that this radio has the best. chance of penetrating materials ... tracking S-curve of the clock **control** loops can be accom- ...
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[PDF] Power **Control** Scheme for Systems with Transmission Beamforming
File Format: PDF/Adobe Acrobat - View as HTML
transmission bandwidth. In this paper an approach. towards a more efficient synthesis of two ... **transmission power control** is an effective and necessary ...
control.hut.fi/.../03-CIIT-Power%20**Control**%20Scheme%20for%20Systems%20with%20Transmission%20Beamforming.pdf - Similar pages

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APPARATUS FOR ADAPTIVE REVERSE POWER **CONTROL** FOR **SPREAD-SPECTRUM** COMMUNICATIONS, 6940840 ... ASYMMETRICAL FORWARD/REVERSE **TRANSMISSION BANDWIDTH**, 6728225 ...
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T2RERC: Proceedings for the Stakeholder Forum on Hearing ...
Should have user selectable volume **Control**; Watertight (e.g. sealed membrane ... protocols such as **spread spectrum** which require significant electronics.) ...
cosmos.buffalo.edu/t2rerc/pubs/forums/hearing/forum/fm/forum_data.htm - 21k - Cached - Similar pages

Communication satellite system having an increased power output ...
Spread spectrum systems also reduce the effect of the satellite or earth ... so as to achieve a power density of 6 dBW per 4 KHz of **transmission bandwidth**. ...
www.freepatentsonline.com/5208829.html - 40k - Cached - Similar pages

Adaptive cancellation of fixed interferers - Patent 6937879
Afterwards, the **spread spectrum** signal is modulated with an RF carrier ... However, signal frequencies within the **transmission bandwidth** contribute to the ...
www.freepatentsonline.com/6937879.html - 56k - Cached - Similar pages

[PS] Measured Performance of a Wireless LAN
File Format: Adobe PostScript - View as Text
In direct-sequence **spread-spectrum** transmission, an. information signal of a certain bandwidth is spread over. a larger **transmission bandwidth**. ...
pdos.csail.mit.edu/decouto/papers/duchamp92.ps - Similar pages

[PDF] 1 Lecture 2 Wireless Transmission (Cont.)
File Format: PDF/Adobe Acrobat - View as HTML
Spread spectrum technology. Spread the **transmission bandwidth** ... Also severe problem for CDMA-networks - precise power **control**. needed! ...
wwwhome.cs.utwente.nl/~heijenk/mwn/slides/Lecture-2%206%20slides%20per%20page.pdf - Similar pages

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1. PubTeX output 1999.05.25:1426 [PDF-71K]
May 1999
...as well as **transmission bandwidth** allocation. Power **control** in DS-CDMA...centralized hub or **controller**. Thus resource...distributed **control** of resources...networks, the **transmission power** and data...obtain a **transmission bandwidth** of . Thus...
more hits from [http://www.comsoc.org/sac/private/1999/may/pdf/17sac05...]
similar results

2. SPREAD SPECTRUM COMMUNICATION SYSTEM WITH ADAPTIVE POWER CONTROL
ORMONDROYD, Richard, Frank, *PATENT COOPERATION TREATY APPLICATION*, Mar 1994
...sequence **spread-spectrum** techniques...be able to **control** the **transmission power** at least...the power **control** signals by adjusting its **transmission power** so that the...that when **spread-spectrum** techniques...vary its own **transmission power** levels in...that when **spread- spectrum** techniques...has direct **control** of the amount...
Full text available at patent office. For more in-depth searching go to LexisNexis
view all 51 results from Patent Offices
similar results

3. Introduction to WCDMA [PDF-36K]
Oct 2000
...· What is **spread spectrum** and where...WCDMA power **control** · Closed...2000 What is **Spread Spectrum**? · **Transmission bandwidth** is much larger...Where Does **Spread Spectrum** Come from...WCDMA Power **Control** f1 BS MS 3...
[http://www.comlab.hut.fi/opetus/238/lecture2Holma00102...]
similar results

4. Spread spectrum communication system
Murai, Hideshi, *EUROPEAN PATENT*, Nov 1997
...and the **transmission power** is set at...with the **transmission power** reduced to...reducing the **transmission power** by switching...that its **controller** 3101 keeps...that is, the **transmission bandwidth** by optimally...
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5. Method for power control in wireless networks for communicating multiple information classes

Refine you
using thes
found in t
bit stream
carrier freq
cellular con
cellular syst
code divisio
code reade
communica
data transn
frequency c
pending me
pilot signal
programma
spontaneou
wireless co
wireless ne
Or refine
All of the

Refine

Mitra, Debasis / Morrison, John A., *EUROPEAN PATENT*, Sep 1998
...Principles of **Spread Spectrum** Communication...Selection and Power **Control** to Maximize Cellular **Spread Spectrum** Capacity", IEEE...for Uplink Power **Control** in Cellular Radio...wireless terminal **transmission power** often produces...
Full text available at patent office. For more in-depth searching go to LexisNexis
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☐ **6.** report.dvi [PDF-668K]
Feb 2000
...34 2.3.4 Power **Control**...184 9.4.1 UFDMA Power **Control** Algorithm 1 . . . . . 185 9.4.2 UFDMA Power **Control** Algorithm 2...
[http://www.elec.york.ac.uk/comms/theses/grace_thesis.p...]
similar results

☐ **7.** Programmable modem using spread spectrum communication
Philips, Lieven / Vanhoof, Jan / Wouters, Maryse / De Wulf, Rick / Derudder, Veerle / Van Himbeek, Carl / Bolsens, Ivo / (...) / Gyselinckx, Bert, *EUROPEAN PATENT APPLICATION*, Apr 1997
...Atmel offers for sale a chip set comprising a micro **controller** and a **spread spectrum** signal processor, AT48802. This **spread spectrum** signal processor comprises **control** functions for the demodulation and modulation of...
Full text available at patent office. For more in-depth searching go to LexisNexis
view all 51 results from Patent Offices
similar results

☐ **8.** Novel Adaptive Power and Rate Control in Third GenerationWideband CDMA Mobile Systems
Sadri, Ali Soheil, May 2000
...Soheil Sadri: Novel Adaptive Power and Rate **Control** in Third Generation Wideband CDMA Mobile...Dissertation proposes novel adaptive power **control** and rate change schemes and investigates...policy similar to the traditional power **control** technique with thresholds except that...
Full text thesis available via NDLTD
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☐ **9.** Grouping Wireless Picocells to build a [PDF-299K]
Aug 2000
Grouping Wireless Picocells to build a Local Area Wireless Infrastructure Fast and efficient Local Mobility Management and Range Extension Dipl.-Ing. Jost Weinmiller A Thesis submitted in partial Fulfillment of the Requirements for the Degree of Doctor of Engineering (Dr.-Ing.
[http://edocs.tu-berlin.de/diss/2000/weinmiller_jost.pd...]
similar results

☐ **10.** MULTI-BAND, MULTI-MODE SPREAD-SPECTRUM COMMUNICATION SYSTEM
SMITH, Douglas G. / DIXON, Robert C. / VANDERPOOL, Jeffrey S., *PATENT COOPERATION TREATY APPLICATION*, Feb 1996
...band onto which **spread-spectrum** signals are encoded...environment or other **control** trigger, such...in R. Dixon, **SPREAD-SPECTRUM** SYSTEMS (2d ed...antenna 109, a mode **controller** 103, a mode select...generator 107, a **spread-spectrum** modulator 111...
Full text available at patent office. For more in-depth searching go to LexisNexis
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☐ **11.** Distributed resource allocation for DS-CDMA-based multimedia wireless LANs
Lal, Sanjay, Jan 1997
...2.6 **Spread Spectrum** Modelling 23...The Cornrnon **control** channel (CCCH...3.5 **Control** Message Formats...59 5.2.1.1 **Spread Spectrum** Modelling...Average Maximum **Transmission Power** vs.Network Load...
Full text thesis available via NDLTD

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☐ **12.** Method for power control in wireless networks for communicating multiple information classes
Mitra, Debasis / Morrison, John A., *UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT*, Mar 1998
...wireless terminal **transmission power** setting methods...for example, **spread spectrum** digital communications...advantageously low signal **transmission power** settings for...class i, and the **spread spectrum transmission bandwidth**, respectively...
Full text available at patent office. For more in-depth searching go to LexisNexis
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☐ **13.** Telecommunications system with bandwidth agile receivers and transmitters
Lucidarme, Thierry, *EUROPEAN PATENT APPLICATION*, Jul 1999
...relate to **spread spectrum** systems in...and power **control** of the mobile...same time the **transmission power** may also be...which the **transmission bandwidth** is narrow and optionally the **transmission power** may be low...
Full text available at patent office. For more in-depth searching go to LexisNexis
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☐ **14.** Chapter 2 [PDF-466K]
Mar 2000
...addition, the API supported by the group service enables the developer to **control** group propagation strategies, e.g. group quorum. This allows the trade-off...149 7.3.1 Concurrency **Control**.
[http://www.comp.lancs.ac.uk/computing/users/kc/Papers/...]
similar results

☐ **15.** A COMMON POWER CONTROL CHANNEL IN A CDMA SYSTEM AND A SYSTEM AND METHOD FOR USING SUCH A CHANNEL
GUTIERREZ, Alberto / GHALEB, Ibrahem / TONG, Wen, *PATENT COOPERATION TREATY APPLICATION*, Dec 2000
...relates to the power **control** of transmissions on...transmissions to estimate the **transmission power** to use for reverse link...transmissions (open loop power **control**). Based upon its estimate of the **transmission power**, the MS sends a transmission...
Full text available at patent office. For more in-depth searching go to LexisNexis
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☐ **16.** No Title [PDF-87K]
Jun 1996
...meters), with a **transmission power** of 10 mW or...frequency-hopped **spread spectrum** (FH/SS) techniques...techniques such as **spread spectrum** and diver...much wider **transmission bandwidth**. In a synchronous...synchronization, **control**, and input...
[http://www.icsl.ucla.edu/aagroup/PDF_files/tcvr-arch.p...]
similar results

☐ **17.** METHOD AND APPARATUS FOR RAPID ASSIGNMENT OF A TRAFFIC CHANNEL IN DIGITAL CELLULAR COMMUNICATION SYSTEMS
BENDER, Paul E. / GROB, Matthew S. / KARMI, Gadi, *PATENT COOPERATION TREATY APPLICATION*, Mar 2000
...Mode Wideband **Spread Spectrum** Cellular System...a base station **controller** (BSQ. The BSC...channels, and **transmission bandwidth** (which is required...and for power **control** even when no data...user terminal's **transmission power** can vary greatly, it is important to **control** the power of the...
Full text available at patent office. For more in-depth searching go to LexisNexis
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☐ **18.** Wireless Data Transmission in the Andes: Networking Merida State [24K]
Jun 1999
...transmission **control** protocol...prices. Called **spread spectrum**, it first...sequence **spread spectrum** (DSSS) and...frequency hopping **spread spectrum** (FHSS...augmenting the **transmission bandwidth**. Although...exchange **transmission power** for bandwidth...
[http://www.isoc.org/inet99/proceedings/4d/4d_1.htm]
similar results

☐ **19.** PN SEQUENCE IDENTIFYING DEVICE IN CDMA COMMUNICATION SYSTEM
PARK, Su-Won / LEE, Hyun-Kyu, *PATENT COOPERATION TREATY APPLICATION*, Mar 2000
...generally to a **spread spectrum** device in...a larger **transmission bandwidth**, and serve...an-iplifies the **transmission power** of the primary...228, and a **controller** 226. The...under the **control** of the **controller** 226. A receiving...amplifies the **transmission power** of the secondary...
Full text available at patent office. For more in-depth searching go to LexisNexis
view all 51 results from Patent Offices
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☐ **20.** Spread spectrum communication system
Murai, Hideshi, Tokyo, JP, *UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT*, Oct 1999
...embodiments of the **spread spectrum** communication...configuration of a **spread spectrum** communication...mobile station, **control** data and transmitted...coincide, the **transmission power** per bit also...1220 in the **spread spectrum** communication...
Full text available at patent office. For more in-depth searching go to LexisNexis
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Found:: :**62 total | 0 journal results | 54 preferred web results | 8 other web results**

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21. Hierarchical communication system using premises, peripheral and vehicular local area networking
Mahany, Ronald / West, Guy / Bunte, Alan, *UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT*, Sep 1999
...utilizes relatively higher-power **spread-spectrum** frequency-hopping communication...header 201 generated by a **Control** Point ("CP") device of a NET...hopping sequence itself. The **Control** Point device is generally...standard high-level data link **control** ("HDLC") data framing. Each...
Full text available at patent office. For more in-depth searching go to LexisNexis
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22. SUBSCRIBER UNIT BURST MODE RESERVATION IN A CODE DIVISION MULTIPLE ACCESS WIRELESS COMMUNICATION SYSTEM
GUTIERREZ, Alberto, *PATENT COOPERATION TREATY APPLICATION*, Dec 2000
...particularly to the **control** and operation...direct sequence **spread spectrum** system in which multiple **spread spectrum** signals are transmitted...other computer **controlled** electronic devices...to estimate the **transmission power** to use for reverse...
Full text available at patent office. For more in-depth searching go to LexisNexis
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23. Coexisting communication systems
Ketseoglou, Thomas J. / Dixon, Robert C. / Masenten, Wesley, *UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT*, Oct 2000
...despreading and correlating **spread spectrum** signals is described in...forth fully herein. Where **spread spectrum** communication is used, the **control** station 105 (see FIG. 1...transmitters in each cell 103 a **spread-spectrum** code for modulating radio...
Full text available at patent office. For more in-depth searching go to LexisNexis
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24. Accurate and efficient analysis of wireless digital communication systems in multiuser and multipath fading environments
Annamalai, Annamalai, Jan 1999
...techniques for improving the quality of service over the wireless network are investigated: diversity reception and adaptive error **control** schemes. Owing to the growing interest in wireless co~~llllunications,the importanceof exact theoretical analysis

Refine you using thes found in t
bit stream
carrier freq
cellular con
cellular syst
code divisio
code reade
communica
data transn
frequency c
pending me
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programma
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wireless co
wireless ne
Or refine
All of the
Refine

of such systems...
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☐ **25.** SYSTEM AND METHOD FOR POSITIONING A MOBILE STATION IN A CDMA CELLULAR SYSTEM
KARLSSON, Jonas / OVESJÖ, Fredrik, *EUROPEAN PATENT*, Aug 2000
...wideband or **spread-spectrum** signal which...the strong **transmission power** from the...different **transmission power** levels. To...transmit a **control** signal which...Wideband **Spread Spectrum** Cellular...1.23 MHZ **transmission bandwidth**. The forward...
Full text available at patent office. For more in-depth searching go to LexisNexis
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☐ **26.** Cellular communication system with dynamically modified data transmission parameters
Trompower, Michael L. / Struhsaker, Paul F., *UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT*, Apr 2000
...IBM RS/6000. A network **controller** 220 may also be wired to the backbone 260 to **control** the flow of data between...backbone 260. The network **controller** 220 may communicate...using Direct Sequence **Spread Spectrum** (DSSS) wireless communication...
Full text available at patent office. For more in-depth searching go to LexisNexis
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☐ **27.** CELLULAR COMMUNICATION SYSTEM WITH DYNAMICALLY MODIFIED DATA TRANSMISSION PARAMETERS
TROMPOWER, Michael L. / STRUHSAKER, Paul F., *PATENT COOPERATION TREATY APPLICATION*, Mar 1998
...sequence **spread spectrum** cellular...with the **transmission power** of the station...limit the **transmission power** of transmitters...rates, etc. A **spread spectrum** (SS) communication...system, the **transmission bandwidth** required...
Full text available at patent office. For more in-depth searching go to LexisNexis
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☐ **28.** Hierarchical communications system using microlink, data rate switching, frequency hopping and vehicular local area networking
Mahany, Ronald L., *UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT*, Dec 1997
...device (20) utilizes **spread spectrum** frequency hopping communication and is **controlled** by a reservation access...High-Level Data Link **Control** Flags, consisting of...High-Level Data Link **Control** NRZ-I data is run-length-limited...and direct sequence **spread spectrum** systems. The consistent...
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☐ **29.** ADAPTIVE CANCELLATION OF FIXED INTERFERERS
MESECHER, David K. / OZLUTURK, Fatih M., *PATENT COOPERATION TREATY APPLICATION*, Sep 1999
...the entire **transmission bandwidth** or spectrum...Afterwards, the **spread spectrum** signal is...within the **transmission bandwidth** contribute...the same **transmission bandwidth** used by the...increase their **transmission power** exacerbating...
Full text available at patent office. For more in-depth searching go to LexisNexis
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☐ **30.** Hierarchical communication system using premises, peripheral and vehicular local area networking
Mahany, Ronald L. / West, Guy J. / Bunte, Alan G., *UNITED STATES PATENT AND*

TRADEMARK OFFICE GRANTED PATENT, Aug 1997
...utilizes relatively higher-power **spread-spectrum** frequency-hopping communication...header 201 generated by a **Control** Point ("CP") device of a NET...hopping sequence itself. The **Control** Point device is generally...standard high-level data link **control** ("HDLC") data framing. Each...
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☐ **31.** PREMISES, PERIPHERAL AND VEHICULAR LOCAL AREA NETWORKING
MAHANY, Ronald L. / WEST, Guy J. / BUNTE, Alan G., *PATENT COOPERATION TREATY APPLICATION*, Nov 1994
...barriers, wasted **transmission power** by portable...frequency hopping **spread spectrum** network. Frequency...operated using **spread spectrum** technology...help conserve **transmission power** usage. A still...utilizing **spread spectrum** frequency...
Full text available at patent office. For more in-depth searching go to LexisNexis
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☐ **32.** Cellular communication system with dynamically modified data transmission parameters
Trompower, Michael / Struhsaker, Paul / Grim, George / Holt, James / Paulsen, Victor, *UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT*, Sep 1999
...wired to the backbone 260. The network **controller** 220 may communicate with the components...a packet format 300 (FIG. 3) using **Spread Spectrum** wireless communication techniques...embodiment describes a Direct Sequence **Spread Spectrum** (DSSS), a frequency hopping system...
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☐ **33.** Programmable modem apparatus for transmitting and receiving digital data, design method and use method for said modem
Philips, Lieven / Vanhoof, Jan / Wouters, Maryse / De Wulf, Rik / Derudder, Veerle / Himbeeck, Carl / Bolsens, Ivo / (...) / Gyselinckx, Bert, *UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT*, Feb 1999
...up-converter 210, which has a numerically **controlled** oscillator (NCO) 230 which operates in...transmitter subsystem 1000 further has a gain **control** 227, which receives input data from a...down converter 212 has a numerically **controlled** oscillator 232, which also operates by...
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☐ **34.** CELLULAR COMMUNICATION SYSTEM WITH DYNAMICALLY MODIFIED DATA TRANSMISSION PARAMETERS
TROMPOWER, Michael L. / STRUHSAKER, Paul F. / GRIM, George, L., III / HOLT, James K. / PAULSEN, Victor K., *PATENT COOPERATION TREATY APPLICATION*, Jun 1997
...sequence **spread spectrum** cellular...is due to **transmission power** restrictions...often involve **spread spectrum** (SS) technology...system, the **transmission bandwidth** required...sequence **spread spectrum** (IDSSS) system...
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☐ **35.** COEXISTING COMMUNICATION SYSTEMS
KETSEOGLOU, Thomas J. / DIXON, Robert C. / MASENTEN, Wesley, *PATENT COOPERATION TREATY APPLICATION*, May 1997
...the coexistence of a **spread spectrum** TDMA communication...protocol utilizing **spread spectrum** techniques. The TDD...the TDD protocol, **spread spectrum** communication may...transaction. A separate **control** channel is provided...
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☐ **36.** HIERARCHICAL COMMUNICATION SYSTEM PROVIDING INTELLIGENT DATA, PROGRAM AND PROCESSING MIGRATION
MAHANY, Ronald L. / WEST, Guy J. / BUNTE, Alan G. / DANIELSON, Arvin D. / MORRIS, Michael D. / MEIER, Robert C., *EUROPEAN PATENT*, Jul 1997
...barriers, wasted **transmission power** by portable...frequency hopping **spread spectrum** network. Frequency...relatively higher **transmission power** -- a negative...spanning-tree network to **control** the routing...device to a **control** point device...
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☐ **37.** Method for a channel hopping communication system with variable transmission bandwidth
Cadd, Jim, Coral Springs, FL, *UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT*, Dec 1996
...communication system is divided into **control** channels 312 and voice/data channels 314. The **control** channels 312 are used to gain access...mode, thereby requiring increased **transmission bandwidth** which can be satisfied by operating...
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☐ **38.** CHAOTIC DIGITAL CODE-DIVISION MULTIPLE ACCESS (CDMA) COMMUNICATION SYSTEMS
YANG, Tao / CHUA, Leon O., *PATENT COOPERATION TREATY APPLICATION*, Dec 1998
...the larger **transmission bandwidth**; and (2) distinguish...using the same **transmission bandwidth** in the multiple-access...efficiency of a **spread spectrum** system. In...clockpulses which **control** almost every...synchronization; (2) **spread-spectrum** generator...
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☐ **39.** Communication satellite system having an increased power output density per unit of bandwidth
Soleimani, Mohammad / Rostami, Sasan, *EUROPEAN PATENT*, Sep 1992
...stations. **Spread spectrum** systems also...4 KHz of **transmission bandwidth**. This limitation...time-based, **spread spectrum** signal which...satellite signal **transmission power** while maintaining...demodulating **spread spectrum** transmissions...
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☐ **40.** HIGH-SPEED RADIOCOMMUNICATION SYSTEM
TOMISATO, Shigeru / SUZUKI, Hiroshi / HIRADE, Kenkichi, *EUROPEAN PATENT APPLICATION*, Mar 1997
...high speed. Further, a **transmission bandwidth** must be expanded at the...reception sensitivity, **transmission power** which is larger than that...receiving filter, signal **transmission power** must be increased twice...enhanced to 1.2 Mbit/s, **transmission power** is needed 1000 times...
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Aug 2000
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[http://cwc.ucsd.edu/pdfs/2000_Annual_Report.pdf]
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☐ **2.** Matched filter output analysis for interference control in a CDMA communications system
Kuroyanagi, Noriyoshi / Suehiro, Naoki / Otake, Kohei / Matsufuji, Shinya / Ozawa, Satoru / Shibatani, Masao / Kondo, Shiro, Fuji Electric Co., Ltd., / Yasukawa, Kazuyuki, Fuji Electric Co., Ltd.,, *EUROPEAN PATENT APPLICATION*, Dec 1999
...realized through **spread- spectrum** modulation...Art) In the **spread-spectrum** communications...result, the **transmission power** per unit frequency...system for the **spread-spectrum** communications...detected. The **control** signal generated...
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☐ **3.** Communication method and apparatus in which transmission control data stored in memory is selected based on a detected signal quality from a decoder
Suzuki, Mitsuhiro, Chiba, JP, *UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT*, Apr 1999
...orthogonal base system. Specifically, the **transmission band width** of one transmission band (one band...the transmission amplifier 50 is **controlled** to thereby adjust a transmission output. The **control** in transmission output is carried...
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☐ **4.** Receiving method and receiving apparatus
Suzuki, Mitsuhiro, *EUROPEAN PATENT APPLICATION*, Dec 1997
...frequency band owing to the **spread spectrum**, and transmits signals...difficult to change the **transmission band width**. The above matter will...transmission state. Then, **control** data of the transmission...base system. That is, the **transmission band width** of one transmission band...

Refine you using thes found in t
analog-to-d converter
band-pass f
frequency c
frequency s
output sign
random pha
subcarriers
waveform
Or refine
All of the
Refine

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☐ **5.** Communication method and communication apparatus
Suzuki, Mitsuhiro, *EUROPEAN PATENT*, Dec 1997
...owing to the **spread spectrum**, and transmits...change the **transmission band width**. The above...response in **control** of the **transmission power** is disadvantageously...Specifically, the **transmission band width** of one transmission...
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☐ **6.** Transmission apparatus using a multi-carrier signal with allocation of subcarriers
Suzuki, Mitsuhiro, *EUROPEAN PATENT APPLICATION*, Dec 1997
...whole frequency band owing to the **spread spectrum**, and transmits signals to respective...Therefore, it is difficult to change the **transmission band width**. The above matter will be described...orthogonal base system. Specifically, the **transmission band width** of one transmission band (one band...
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☐ **7.** Multiple access transmitting and receiving system employing multiplexing of multicarrier signals
Suzuki, Mitsuhiro, *EUROPEAN PATENT APPLICATION*, Dec 1997
...whole frequency band owing to the **spread spectrum**, and transmits signals to respective...Therefore, it is difficult to change the **transmission band width**. The above matter will be described...orthogonal base system. Specifically, the **transmission band width** of one transmission band (one band...
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☐ **8.** Receiving method and apparatus in which a demodulating status is determined and a noise power is detected
Suzuki, Mitsuhiro, Chiba, JP, *UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT*, Mar 2000
...orthogonal base system. That is, the **transmission band width** of one transmission band (one band...the transmission amplifier 50 is **controlled** to thereby adjust a transmission output. The **control** in transmission output is carried...
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☐ **9.** Communications method, communication apparatus, reception method, and reception apparatus
Suzuki, Mitsuhiro, Chiba, JP, *UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT*, Oct 1999
...orthogonal base system. Specifically, the **transmission band width** of one transmission band (one band...the transmission amplifier 50 is **controlled** to thereby adjust a transmission output. The **control** in transmission output is carried...
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☐ **10.** Communication system, including transmitting and receiving apparatus using a multi-carrier signal
Suzuki, Mitsuhiro, *UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT*, Oct 1999
...orthogonal base system. Specifically, the **transmission band width** of one transmission band (one band...the transmission amplifier 50 is **controlled** to thereby adjust a transmission output. The **control** in transmission output is carried...

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5. **Multicode CDMA downlink in shadowed multipath fading**
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